



NSF Campus Cyberinfrastructure PI and Cybersecurity Innovation for Cyberinfrastructure PI Workshop

October 3-4 | Albuquerque, New Mexico

NSF Program: CC*

Program Area: CC-NIE **Award Number: ACI-1541349**

PI: Larry Smarr, UC San Diego, Calit2

Co-PIs:

- Camille Crittenden, UC Berkeley, CITRIS
- Tom DeFanti, UC San Diego, Calit2
- Philip Papadopoulos, UCSD, SDSC
- Frank Wuerthwein, UCSD, Physics and SDSC

Project Title: Pacific Research Platform

Project Goals:

- Science Engagement: Recruiting participants, working with teams to determine data needs, sharing best practices in research facilitation with the scientific community.
- Technology Development and Implementation: Building and managing the network, enabling unfettered data transfer and interoperability among data clusters and instruments.



Larry Smarr
UC San Diego
Calit2, Qualcomm Inst.



Tom DeFanti
UC San Diego
Calit2 and Qualcomm Inst.



Camille Crittenden
CITRIS & Banatao
Inst.
UC Berkeley



Frank Wuerthwein
UCSD, Physics
SD Supercomputer Center



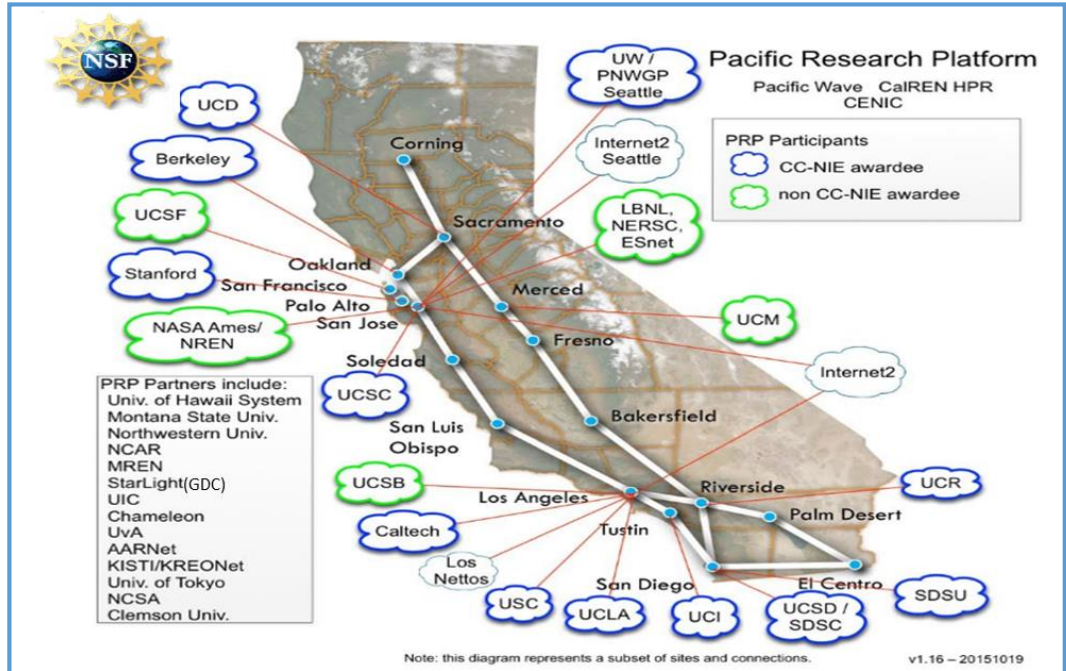
Phil Papadopoulos
San Diego
Supercomputer Center



NSF Campus Cyberinfrastructure PI and Cybersecurity Innovation for Cyberinfrastructure PI Workshop

October 3-4, 2017 | Albuquerque, NM

Pacific Research Platform (pacificresearchplatform.org)



Approach:

- Leverage investments in Science DMZs to expand to regional/national infrastructure
- Accelerate scientific discovery and facilitate collaboration in data-intensive disciplines

Scientific Impact:

- Increase reliable network speeds to 100 Gbps, develop data transfer hardware, and deploy software tools to monitor performance
- Ex: Partnership between UC Irvine & Scripps for computational earth sciences reduced workflow from 20 days to 20 minutes

Solution:

- Create end-to-end freeway for data-intensive science
- Integrate networks of engineers and domain scientists to extend impact and bridge gaps between technology and practice

PI: Larry Smarr, UCSD, Calit2
Co-PIs: Camille Crittenden, Tom DeFanti, Phil Papadopoulos, Frank Wuerthwein

Metadata tag:

- Welcome collaborators!
- Student engagement, CI workforce development



+25 universities and research facilities